

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

#### **Listing of Claims:**

1-8. (canceled)

9. (amended) A method of generating  $\text{ClF}_3$  gas using a system as ~~claimed in claim 1~~  $\text{ClF}_3$  gas generation system wherein supply sources of chlorine and fluorine are connected into a gas reaction chamber enabling generation of  $\text{ClF}_3$  gas, and the reaction chamber has a valved outlet for the supply of the  $\text{ClF}_3$  gas, wherein the precursor gases are fed from the supply sources to the reaction chamber, a combination reaction is performed and the  $\text{ClF}_3$  reaction is fed on to a local processing chamber or tool.

10. (currently amended) A method according to Claim 9 wherein the gasses formed are fed into a plasma chamber using  $\text{Cl}_2/\text{F}_2$  gas mixture, wherein the chlorine level is between 15-35%, ~~preferably 20-30%.~~

11. (original) A method according to Claim 9 wherein an additional  $\text{ClF}_x$  gas is provided in a holding chamber which allows immediate gas flow on demand to reduce processing time.

12. (original) A method according to Claim 9 wherein the gas lines and reactor surfaces are pre-conditioned using  $\text{F}_2$ .

13. (canceled)

14. (new) A method according to Claim 9 wherein the gasses formed are fed into a plasma chamber using  $\text{Cl}_2/\text{F}_2$  gas mixture, wherein the chlorine level is between 20-30%.